

# List of key words used in the annual subject indexes

(valid from January 1994)

This list is common to *Monthly Notices of the Royal Astronomical Society*, *Astronomy and Astrophysics*, and *The Astrophysical Journal*. In order to ease the search, the key words are subdivided into broad categories. No more than six subcategories altogether should be listed for a paper.

The subcategories in boldface containing the word 'individual' are intended for use with specific astronomical objects; these should never be used alone, but always in combination with the most common names for the astronomical objects in question. Note that each object counts as one subcategory within the allowed limit of six.

The parts of the key words in italics are for reference only and should be omitted when the key words are entered on the manuscript.

## General

book reviews  
editorials, notices  
errata, addenda  
extraterrestrial intelligence  
history and philosophy of astronomy  
miscellaneous  
obituaries, biographies

## Physical data and processes

acceleration of particles  
accretion, accretion discs  
atomic data  
atomic processes  
black hole physics  
chaotic phenomena  
conduction  
convection  
cosmic strings  
dense matter  
diffusion  
elementary particles  
equation of state  
gravitation  
hydrodynamics  
instabilities  
line: formation  
line: identification  
line: profiles  
magnetic fields  
(*magnetohydrodynamics*) MHD  
masers  
molecular data  
molecular processes  
nuclear reactions, nucleosynthesis, abundances  
plasmas  
polarization

radiation mechanisms: non-thermal  
radiation mechanisms: thermal  
radiative transfer  
relativity  
scattering  
shock waves  
turbulence  
waves

## Astronomical instrumentation, methods and techniques

atmospheric effects  
balloons  
instrumentation: detectors  
instrumentation: interferometers  
instrumentation: miscellaneous  
instrumentation: photometers  
instrumentation: polarimeters  
instrumentation: spectrographs  
methods: analytical  
methods: data analysis  
methods: miscellaneous  
methods: numerical  
methods: observational  
methods: statistical  
site testing  
space vehicles  
techniques: image processing  
techniques: interferometric  
techniques: miscellaneous  
techniques: photometric  
techniques: polarimetric  
techniques: radar astronomy  
techniques: radial velocities  
techniques: spectroscopic  
telescopes

## Astronomical data bases

astronomical data bases: miscellaneous  
atlases  
catalogues  
surveys

## Astrometry and celestial mechanics

astrometry  
celestial mechanics, stellar dynamics  
eclipses  
ephemerides  
occultations  
reference systems  
time

## The Sun

Sun: abundances  
Sun: activity  
Sun: atmosphere  
Sun: chromosphere  
Sun: corona  
Sun: faculae, plages  
Sun: filaments  
Sun: flares  
Sun: fundamental parameters  
Sun: general  
Sun: granulation  
Sun: infrared  
Sun: interior  
Sun: magnetic fields  
Sun: oscillations  
Sun: particle emission  
Sun: photosphere  
Sun: prominences  
Sun: radio radiation  
Sun: rotation  
(Sun:) solar-terrestrial relations  
(Sun:) solar wind  
(Sun:) sunspots  
Sun: transition region  
Sun: UV radiation  
Sun: X-rays, gamma-rays

## Solar system

comets: general  
**comets: individual:...**  
Earth  
interplanetary medium  
meteors, meteoroids  
minor planets, asteroids  
Moon  
planets and satellites: general  
**planets and satellites: individual:...**  
Solar system: formation  
Solar system: general

## Stars

stars: abundances  
stars: activity  
stars: AGB and post-AGB  
stars: atmospheres  
(stars:) binaries (including multiple): close  
(stars:) binaries: eclipsing  
(stars:) binaries: general  
(stars:) binaries: spectroscopic  
(stars:) binaries: symbiotic  
(stars:) binaries: visual  
stars: blue stragglers  
stars: carbon  
stars: chemically peculiar  
stars: chromospheres  
(stars:) circumstellar matter  
stars: coronae  
stars: distances  
stars: early-type

stars: emission-line, Be  
stars: evolution  
stars: flare  
stars: formation  
stars: fundamental parameters (*classification, colours, luminosities, masses, radii, temperatures, etc.*)  
stars: general  
stars: giant  
(stars:) Hertzsprung-Russell (HR) diagram  
stars: horizontal branch  
stars: imaging  
**stars: individual:...**  
stars: interiors  
stars: kinematics  
stars: late-type  
stars: low-mass, brown dwarfs  
stars: luminosity function, mass function  
stars: magnetic fields  
stars: mass-loss  
stars: neutron  
(stars:) novae, cataclysmic variables  
stars: oscillations (*including pulsations*)  
stars: peculiar (*except chemically peculiar*)  
(stars:) planetary systems  
stars: Population II  
stars: pre-main-sequence  
(stars:) pulsars: general  
(stars:) **pulsars: individual:...**  
stars: rotation  
stars: statistics  
(stars:) subdwarfs  
(stars:) supergiants  
(stars:) supernovae: general  
(stars:) **supernovae: individual:...**  
(stars: variables:) Cepheids  
(stars: variables:)  $\delta$  Scuti  
stars: variables: other  
(stars:) white dwarfs  
stars: Wolf-Rayet

## Interstellar medium (ISM), nebulae

ISM: abundances  
ISM: atoms  
ISM: bubbles  
ISM: clouds  
(ISM:) cosmic rays  
(ISM:) dust, extinction  
ISM: general  
ISM: globules  
(ISM:) H II regions  
**ISM: individual:...**  
(*except planetary nebulae*)  
ISM: jets and outflows  
ISM: kinematics and dynamics  
ISM: magnetic fields  
ISM: molecules  
(ISM:) planetary nebulae: general  
(ISM:) **planetary nebulae: individual:...**  
(ISM:) reflection nebulae  
ISM: structure  
(ISM:) supernova remnants

## The Galaxy

Galaxy: abundances  
Galaxy: centre  
Galaxy: evolution  
Galaxy: formation  
Galaxy: fundamental parameters  
Galaxy: general  
(Galaxy:) globular clusters: general  
(Galaxy:) **globular clusters: individual:...**  
Galaxy: halo  
Galaxy: kinematics and dynamics  
(Galaxy:) open clusters and associations: general  
(Galaxy:) **open clusters and associations: individual:...**  
(Galaxy:) solar neighbourhood  
Galaxy: stellar content  
Galaxy: structure

## Galaxies

galaxies: abundances  
galaxies: active  
(galaxies:) BL Lacertae objects: general  
(galaxies:) **BL Lacertae objects: individual:...**  
galaxies: clustering  
**galaxies: clusters: individual:...**  
galaxies: compact  
(galaxies:) cooling flows  
galaxies: distances and redshifts  
galaxies: elliptical and lenticular, cD  
galaxies: evolution  
galaxies: formation  
galaxies: fundamental parameters  
(classification, colours, luminosities, masses, radii, etc.)  
galaxies: general  
**galaxies: individual:...**  
galaxies: interactions  
(galaxies:) intergalactic medium  
galaxies: ISM  
galaxies: irregular  
galaxies: jets  
galaxies: kinematics and dynamics  
(galaxies:) Local Group  
galaxies: luminosity function, mass function  
(galaxies:) Magellanic Clouds  
galaxies: magnetic fields  
galaxies: nuclei  
galaxies: peculiar  
galaxies: photometry  
(galaxies:) quasars: absorption lines  
(galaxies:) quasars: emission lines  
(galaxies:) quasars: general

(galaxies:) **quasars: individual:...**

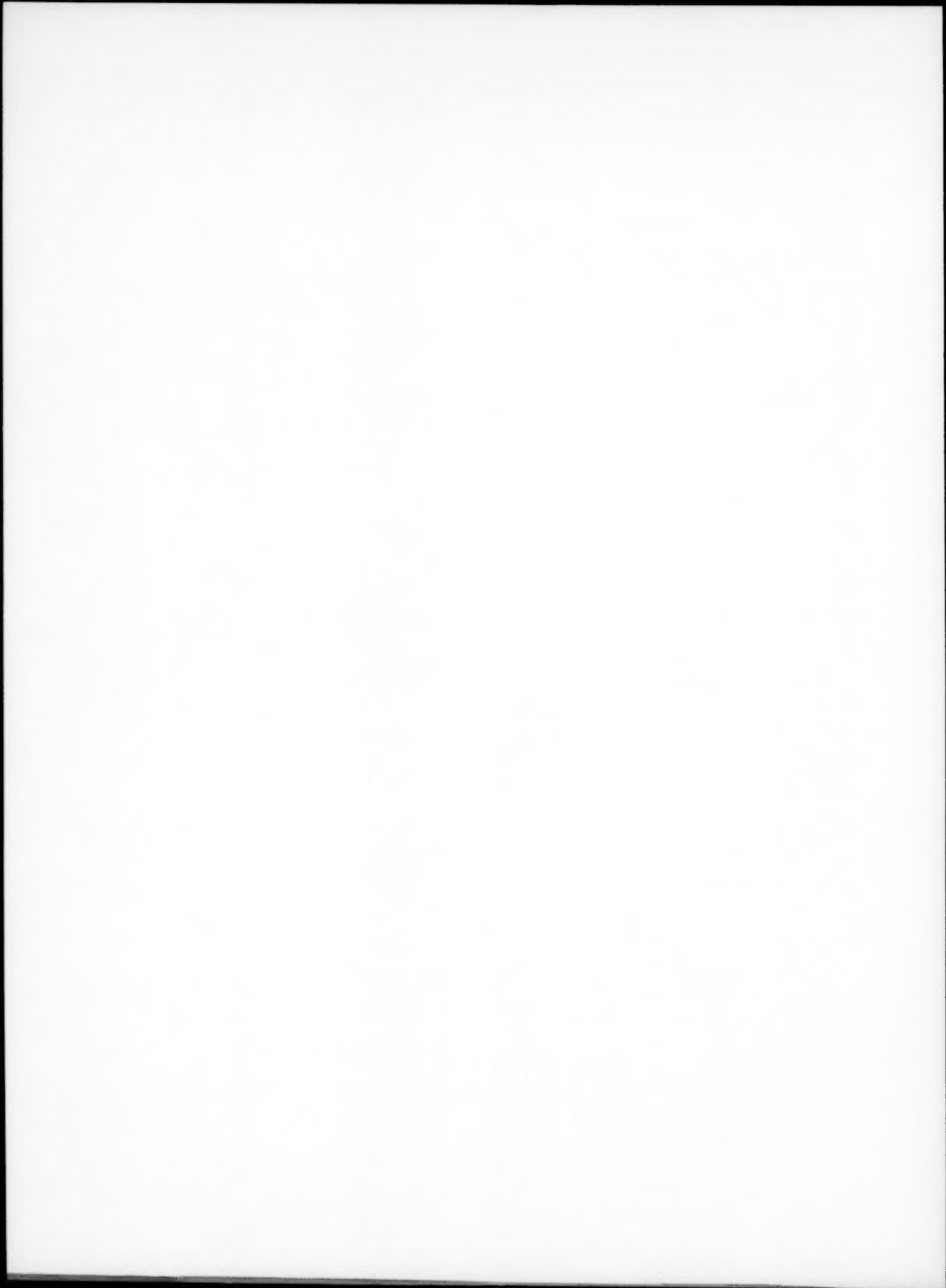
galaxies: Seyfert  
galaxies: spiral  
galaxies: starburst  
galaxies: star clusters  
galaxies: stellar content  
galaxies: structure

## Cosmology

(cosmology:) cosmic microwave background  
cosmology: miscellaneous  
cosmology: observations  
cosmology: theory  
(cosmology:) dark matter  
(cosmology:) diffuse radiation  
(cosmology:) distance scale  
(cosmology:) early Universe  
(cosmology:) gravitational lensing  
(cosmology:) large-scale structure of Universe

## Sources as a function of wavelength

gamma-rays: bursts  
gamma-rays: observations  
gamma-rays: theory  
infrared: galaxies  
infrared: general  
infrared: ISM: continuum  
infrared: ISM: lines and bands  
infrared: Solar system  
infrared: stars  
radio continuum: galaxies  
radio continuum: general  
radio continuum: ISM  
radio continuum: Solar system  
radio continuum: stars  
radio lines: galaxies  
radio lines: general  
radio lines: ISM  
radio lines: Solar system  
radio lines: stars  
ultraviolet: galaxies  
ultraviolet: general  
ultraviolet: ISM  
ultraviolet: Solar system  
ultraviolet: stars  
X-rays: bursts  
X-rays: galaxies  
X-rays: general  
X-rays: ISM  
X-rays: stars



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